==========
Sequence Listing was accepted.
If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: [year=2010; month=7; day=30; hr=10; min=18; sec=55; ms=987;]
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Validated By CRFValidator v 1.0.3

Application No: 10581431 Version No: 5.1

Input Set:

Output Set:

Started: 2010-07-30 10:16:22.703
Finished: 2010-07-30 10:16:26.168
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 465 ms
Total Warnings: 31
Total Errors: 0
No. of SeqIDs Defined: 72
Actual SeqID Count: 72

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Input Set:

Output Set:

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Total Errors: 0
No. of SeqIDs Defined: 72
Actual SeqID Count: 72

Error code	Error Description
	This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

<110> The Scripps Research Institute
Barbas III, Carlos F.
Chung, Junho

<120> INTEGRIN ALPHA.IIb.BETA.3 SPECIFIC ANTIBODIES AND PEPTIDES

<130> TSRI 1019.1 US

<140> US 10/581,431
<141> 2004-12-03

<150> US 60/526,859
<151> 2003-12-03

<150> PCT/US2004/040381
<151> 2004-12-03

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<210> 2
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<212> PRT
<213> Artificial Sequence

<220>
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<212> PRT
<213> Artificial Sequence

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Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

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<220>
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<400> 4

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<400> 5

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<210> 6
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<220>
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<400> 6

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<210> 7

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<220>
<223> CDR consensus part

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Val Arg Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
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Val

<210> 9
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<400> 9

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gacgtctggg gc   72

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<223> primer dpseq

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<223> primer DP-47N-term

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<223> primer lead-VH

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<400> 15

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<220>
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<400> 18
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<210> 19
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<400> 19
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1 5

<210> 20
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 20

Val Val Cys Asp Ala Arg Arg Arg Cys
1 5

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 21

Thr His Ser Asp Ala Arg Arg Arg Glu
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<220>
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Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

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1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif peptide

<400> 23

Cys Arg Ala Asp Val Pro Leu Cys
  1   5

<210> 24
<211> 9
<212> PRT
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<220>
<223> RAD motif peptide

<400> 24

Cys Met Ser Arg Ala Asp Arg Pro Cys
  1   5

<210> 25
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Val Arg Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
  1   5   10   15
Val

<210> 26
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<400> 26

Val Arg Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
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Val

<210> 27
<211> 16
<212> PRT
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<220>

<223> CDR consensus part

<400> 27

Val Arg Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
  1   5   10   15
Val

<210> 28
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 28

Val Gly Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
  1   5   10   15
Val

<210> 29
<211> 16
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<220>
<223> CDR consensus part

<400> 29

Val Gly Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
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Val

<210> 30
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 30
Val Gly Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
  1   5   10   15
Val

<210> 31
<211> 16
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<220>
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<400> 31

Val Gly Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
  1   5   10   15
Val

<210> 32
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD87 part

<400> 32

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1   5   10   15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20   25   30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35   40   45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50   55   60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                 65   70   75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                 80   85   90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                 95   100   105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110   115

<210> 33
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD9 part

<400> 33

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1   5   10   15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20   25   30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35   40   45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50   55   60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys

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                 65                  70                  75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                 80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                 95                 100                 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
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<210> 34
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<212> PRT
<213> Homo sapiens

<220>
<223> RAD12 part

<400> 34

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                 65                  70                  75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                 80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                 95                 100                 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
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<210> 35
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<212> PRT
<213> Homo sapiens

<220>
<223> RAD34 part

<400> 35

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                 65                  70                  75
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Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                 80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                 95                 100                 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
```

<210> 36
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<212> PRT
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<220>
<223> RAD3 part

<400> 36

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  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                 65                  70                  75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                 80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                 95                 100                 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
```

<210> 37
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<223> RAD32 part

<400> 37

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  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln
                 65                  70                  75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr
```

```
                 80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp
                 95                 100                 105
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
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<220>
<223> RAD88 part

<400> 38

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val His Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln
                 65                  70                  75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr
                 80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp
                 95                 100                 105
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
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<212> PRT
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<223> RAD1 part

<400> 39

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  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
                 20                  25                  30
Phe Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35                  40                  45
Glu Trp Val Ser Gly Val Ser Ser Ser Gly Ile Thr Thr Tyr Tyr
                 50                  55                  60
Ala Ala Ser Val Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
                 65                  70                  75
Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
                 80                  85                  90
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Thr Ala Val Tyr Tyr Cys Ala Arg Val Arg Thr His Ser Arg Ala
95 100 105
Asp Arg Arg Glu Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

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<400> 41

Arg Ala Asp
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<210> 42
<211> 3
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<213> Mus musculus

<220>
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<400> 42

Arg Tyr Asp
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<210> 43
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD1 part

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Thr His Ser Arg Ala Asp Arg Arg Glu
1 5

<210> 44
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<212> PRT
<213> Homo sapiens

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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 45
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<400> 52

Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 53
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1 5 10 15
Met Asp Val

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